

City of Flagstaff Wildcat Hill WWTP - Temporary Mechanical Solids Dewatering System

Belt Filter Press

Capital Cost Estimate (Based on One Year Use)

Item Description	Units	Capital Cost	Operational Cost
Mobilization/Demobilization	1 Each	\$25,000	
Belt Filter Press Rental (\$3,500/Week)	1 Year	\$0	\$182,000
Shipping	2 Ways	\$25,000	
Security Deposit	1 Year	\$0	\$10,000
Maintenance	1 LS	\$0	\$25,000
Mechanical Dewatering System Site Set-Up	1 Each	\$15,000	
Mechanical Dewatering System Canopy/Protection	1 Each	\$10,000	
Piping, Valving, and Appurtenances	1 Each	\$25,000	
Connection to Existing System – Piping to Headworks	1 Each	\$50,000	
Dewatering Polymer Pilot Testing (and Site Start-Up)	1 Each	\$0	\$20,000
Dewatering Polymer (\$0.013/Gallon)	1 Year	\$0	\$275,000
Odor Control Chemical	1 LS	\$0	\$5,000
Electricity/Power	1 LS	\$0	\$25,000
Construction and Operation Superintendent	0 Each	\$0	
Operator	1 Each	\$0	\$75,000
Hauling	16,000 CY	\$0	\$208,000
Disposal (\$40/Load Tipping Fee)	1,333 Loads	\$0	\$53,000
Permitting (City of Flagstaff and ADEQ)	2 Each	\$10,000	
Engineering – Design Services	1 Each	\$54,000	
Engineering – CA&I Services	1 Each	\$44,000	
Engineering – Allowances	4 Each	\$20,000	
Flagstaff Project Administration	0 Each	\$0	
Subtotal =		\$278,000	\$878,000

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Contingency @ 10%	1 Each	\$116,000	
Bond	1 Each	\$32,000	
Insurance	1 Each	\$32,000	
Tax (45% @ 9.3%)	1 Each	\$53,000	
Total =		\$1,389,000	